

CONCURRENT AFTERNOON SESSIONS - 3:30 - 5:00 pm

- 1
- Pelican Room 1 (MPM-M) RISK ASSESSMENT OF ENVIRONMENTAL TOBACCO SMOKE  
Chair: Maxwell W. Layard, Layard Associates
- ✓ (MPM-M1) PASSIVE SMOKING: A RISK FACTOR FOR LUNG CANCER?  
K. G. Brown and S. P. Bayard; Consultant and US Environmental Protection Agency
- ✓ (MPM-M2) BIOLOGICAL CONSIDERATIONS OF LUNG CANCER RISK AND ENVIRONMENTAL TOBACCO SMOKE (ETS)  
W. G. Flamm; Science Regulatory Services International
- ✓ (MPM-M3) ASSESSING THE RISK OF ENVIRONMENTAL TOBACCO SMOKE EXPOSURE IN AIRLINER CABINS  
M. E. Ginevan; Versar Inc.
- ✓ (MPM-M4) ALTERNATIVE APPROACHES TO RISK ASSESSMENT OF ENVIRONMENTAL TOBACCO SMOKE AND LUNG CANCER  
M. W. Layard; Layard Associates

CANCELLED

(MPM-N) SETTING DRINKING WATER STANDARDS

- Jackson Room (MPM-O) NUCLEAR EMERGENCY (PART II)  
Co-Chairs: Roger Kasperson and Robert Goble, Clark University
- (MPM-O1) AN ALTERNATIVE EMERGENCY PLAN FOR THE THREE MILE ISLAND NUCLEAR PLANT  
R. E. Kasperson; Clark University
- PANEL DISCUSSION

- Fulton Room (MPM-P) LIFE SUPPORT WORKS  
Chair: Hatice Cullingford, NASA Johnson Space Center
- (MPM-P1) LIFE SUPPORT MAINTENANCE IN THE DEEP SEA ENVIRONMENT  
M. L. Nuckols, US Naval Academy
- (MPM-P2) STRATEGIES FOR ASSESSING AND MANAGING RISKS FROM RADIOACTIVE AEROSOLS  
M. D. Hoover and G. J. Newton; Inhalation Toxicology Research Institute
- (MPM-P3) RISKS AND MANAGEMENT OF HYPOBARIC HYPOXIA IN THE UNACCLIMATIZED CLIMBER DURING RAPID MOUNTAIN ASCENT  
G. W. Ehlert; Maryland Institute for Emergency Medical Services Systems
- (MPM-P4) LIFE SUPPORT FOR LUNAR AND MARS MISSIONS  
J. D. Rummel; NASA Headquarters

- Poydras Room (MPM-Q) QUANTITATIVE RISK ASSESSMENT OF NON-CANCER ENDPOINTS: GENERAL APPROACHES  
Chair: Michael L. Dourson, US Environmental Protection Agency
- (MPM-Q1) QUANTITATIVE RISK ASSESSMENTS: THE REFERENCE DOSE (RFD) AND RESEARCH TO IMPROVE THIS MODEL INCLUDING THE USE OF AVERAGE UNCERTAINTY FACTORS  
M. L. Dourson and S. Lewis; US Environmental Protection Agency and Exxon Biomedical Sciences
- ✓ (MPM-Q2) COMPARISON OF THE PROPERTIES OF REFERENCE DOSES BASED ON THE NOAEL AND BENCHMARK DOSES  
D. J. Gaylor; US Food and Drug Administration
- ✓ (MPM-Q3) MODELING THE SEVERITY OF TOXIC EFFECTS  
L. Knauf, R. Hertzberg and D. McKean, US Environmental Protection Agency
- (MPM-Q4) USE OF DECISION ANALYTIC APPROACHES IN RISK ASSESSMENT  
H. M. Richmond; US US Environmental Protection Agency

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CONCURRENT AFTERNOON SESSIONS - 3:30 - 5:00 pm

Acadian Room

(MPM-R) ASSESSING GLOBAL RISK

Chair: Rob Coppock, National Academy of Sciences

Panelists: William Desvousges; Research Triangle Inst.  
Roger Kasperson; Clark University  
Steve Raynor; Oak Ridge National Laboratory  
Rob Coppock; National Academy of Sciences

La Salle Ballroom A

5:00 - 6:00 pm

BUSINESS MEETING (For All SRA Members)

La Salle Ballroom A

6:00 - 7:00 pm

DIVISION MEETINGS

TUESDAY, 9 OCTOBER 1990

CONCURRENT MORNING SESSIONS - 8:30 - 10:00 am

Orleans Room 1

(TAM-A) FOOD LABELS IN RISK COMMUNICATION

Chair: Gary A. Zarkin, Research Triangle Institute

(TAM-A1) A PROTOCOL FOR EVALUATING RISK COMMUNICATION MESSAGES:  
EVIDENCE FROM RESPONSES TO ALCOHOL WARNING LABELS

T. C. Earle and G. Cvetkovich; Western Washington University

(TAM-A2) FRAMING EFFECTS IN RISK LABELING

T. H. Hatfield; California State University

(TAM-A3) FOOD LABELING: POTENTIAL HEALTH BENEFITS

R. A. Williams, Jr. and L. M. Bush; US Food & Drug  
Administration

(TAM-A4) THE EFFECT OF FOOD LABELING CHANGES ON CONSUMPTION PATTERNS

G. A. Zarkin; Research Triangle Institute

La Salle Ballroom B (TAM-B) ACCEPTABLE RISK

Chair: Robin A. Cantor, Oak Ridge National Laboratory

(TAM-B1) ON THE STATISTICAL BASIS OF ACCEPTABLE INCREMENTAL RISK

R. Shukla and R. E. Albert; University of Cincinnati Medical  
Center

(TAM-B2) APPLICATION OF A STATISTICAL BASIS FOR DEFINING ACCEPTABLE RISK  
TO THE FORMULATION OF A CARCINOGEN RISK STANDARD

R. E. Albert and R. Shukla; University of Cincinnati Medical  
Center

(TAM-B3) FACTORS INFLUENCING THE ACCEPTABILITY OF MALATHION SPRAYING IN  
SOUTHERN CALIFORNIA

B. J. Nordenstam and L. C. Milanesi; University of California,  
Irvine

(TAM-B4) CREATING FAMILIARITY TO EXPLORE BASIC DETERMINANTS OF HUMAN  
BEHAVIOR UNDER UNCERTAINTY

R. Cantor, M. Schoepfle and B. Tonn; Oak Ridge National  
Laboratory

La Salle Ballroom C (TAM-C) SARA TITLE III

Chair: Vlasta Molak, Biotechnology Forum, Inc.

(TAM-C1) RISK MANAGEMENT AND ASSESSMENT ON A CHEMICAL SAFETY AUDIT

R. A. Horner; Arlington, VA

(TAM-C2) WHY ACCIDENTS OCCUR: INSIGHTS FROM THE ACCIDENTAL RELEASE  
INFORMATION PROGRAM

D. Napierski; US Environmental Protection Agency, Chicago

(TAM-C3) USE OF SARA, TITLE III FOR WASTE REDUCTION

V. Molak; Biotechnology Forum

(TAM-C4) MAKING SARA TITLE III BETTER

S. G. Hadden; University of Texas at Austin

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CONCURRENT MORNING SESSIONS - 8:30 - 10:00 am

Pelican Room 1

(TAM-D) PROBABILISTIC RISK ANALYSIS OF NUCLEAR FACILITIES

Chair: D. R. Buttemer, Pickard, Lowe and Garrick, Inc.

(TAM-D1) COMPARISON OF NUCLEAR SAFETY ASPECTS OF A FUSION EXPERIMENTAL FACILITY AND A FISSION RESEARCH FACILITY

G. Schlapper, T. Parish, R. Carrera, R. Charbeneau and D. Klein; Texas A&M University and The University of Texas at Austin

(TAM-D2) THE DEVELOPMENT AND APPLICATION OF EVENT SEQUENCE DIAGRAMS FOR THE HIGH FLUX ISOTOPE REACTOR PROBABILISTIC RISK ASSESSMENT

G. F. Flanagan, L. D. Proctor, M. A. Linn, D. H. Johnson and D. R. Buttemer; Oak Ridge National Laboratory and PLG, Inc.

(TAM-D3) FIRST PRINCIPLE ENGINEERING ANALYSES USED TO SUPPORT THE HFIR PLANT MODEL DEVELOPMENT

D. R. Buttemer and W. E. Thomas; PLG, Inc. and Oak Ridge National Laboratory

(TAM-D4) ECONOMIC RISK OF CONTAMINATION CLEANUP COSTS RESULTING FROM LARGE NON-REACTOR NUCLEAR MATERIAL LICENSEE OPERATIONS

J. S. Philbin and J. H. Saloio; Sandia National Laboratories and ERC Environmental and Energy Services Co.

Pelican Room 2

(TAM-E) MIXED WASTE

Chair: Fritz A. Seiler, International Technology Corporation

(TAM-E1) TOOLS FOR THE RISK ASSESSMENT OF MIXED WASTE

F. A. Seiler; International Technology Corporation

(TAM-E2) PRACTICAL ASPECTS OF RISK ASSESSMENTS AT MIXED WASTE SITES

S. Richter Pack, T. C. Marshall and J. R. Frazier; International Technology Corporation

(TAM-E3) CONSIDERATION OF RISK ANALYSIS IN MANAGEMENT OF MIXED WASTE

A. A. Moghissi; University of Maryland

(TAM-E4) RISK ANALYSIS IN PROCESSING RADIOACTIVE/HAZARDOUS WASTE

G. A. Benda and D. S. Browning; Columbia, SC

Poydras Room

(TAM-F) MEDICAL WASTE

Chair: Maureen Y. Lichtveld, Agency for Toxic Substances and Disease Registry

(TAM-F1) THE ATSDR MEDICAL WASTE TRACKING ACT REPORT: THE PUBLIC HEALTH IMPLICATIONS OF MEDICAL WASTE

M. Y. Lichtveld; Agency for Toxic Substances and Disease Registry

(TAM-F2) HAZARDS ASSOCIATED WITH MEDICAL AND VETERINARY WASTE

D. F. Libermann; Massachusetts Institute of Technology

(TAM-F3) MEDICAL WASTE INCINERATION - DO WE KNOW THE RISKS?

H. W. Rogers; Agency for Toxic Substances and Disease Registry

(TAM-F4) RISK REDUCTION FOR THE MEDICAL WASTE INDUSTRY THROUGH OCCUPATIONAL HEALTH PROGRAMS

P. E. Harris; Browning-Ferris Industries

Fulton Room

(TAM-G) BIOMARKERS OF ENVIRONMENTAL AND ECOLOGICAL CONTAMINATION

Chair: Lee Shugart, Oak Ridge National Laboratory

INTRODUCTION

L. Shugart; Oak Ridge National Laboratory

(TAM-G1) MUTAGENIC EFFECTS OF ENVIRONMENTAL GENOTOXINS IN WILDLIFE POPULATIONS AS MEASURED BY FLOW CYTOMETRY

J. W. Bickham, T. B. Lyne, T. Lamb and J. W. Gibbons; Texas A&M University, East Carolina University and Savannah River Ecology Laboratory

CONCURRENT MORNING SESSIONS - 8:30 - 10:00 am

(TAM-G2) ENVIRONMENTAL MONITORING SYSTEMS LABORATORY - CINCINNATI  
BIOMARKERS RESEARCH STRATEGY OVERVIEW  
T. W. Neiheisel and S. M. Cormier; US Environmental Protection  
Agency, Cincinnati

(TAM-G3) THE USE OF AVIAN BIOMARKERS IN ENVIRONMENTAL ASSESSMENT  
D. B. Peakall; Canadian Wildlife Service

Jackson Room

(TAM-H) MODELING AND RISK ASSESSMENT

Chair: Elisabeth Paté-Cornell, Stanford University

(TAM-H1) RISK MODELING WITH GEOGRAPHIC INFORMATION SYSTEMS: APPROACHES  
AND ISSUES

D. W. Rejeski and J. Kapuscinski; US Environmental Protection  
Agency

(TAM-H2) CANCELLED

(TAM-H3) RISK COMMUNICATION AND INDOOR AIR QUALITY: A COMPUTER  
SIMULATION WHICH MODELS CHANGES IN POINT SOURCES AND VENTILATION  
L. C. Holcomb and J. F. Pedelty; Holcomb Environmental Services

(TAM-H4) NUCLEAR FORCE REDUCTION: RISK AND DECISION  
M. E. Paté-Cornell and W. B. Poland; Stanford University

Acadian Room

(TAM-I) SPECIAL TOPICS

Chair: Sherwood Chu, Nuclear Technical Review Board

(TAM-I1) WASTE MINIMIZATION PROJECT EVALUATION METHOD DEVELOPMENT AND  
TEST CASE APPLICATION

E. A. Kjeldgaard, J. H. Saloio and G. B. Varnado; Sandia  
National Laboratories and ERC Environmental and Energy Services  
Co.

(TAM-I2) CANCELLED

(TAM-I3) USER FEE FINANCING FOR INTERIM STORAGE OF COMMERCIAL NUCLEAR  
WASTE

A. G. Pulsipher; Louisiana State University

10:00 - 10:30 am COFFEE BREAK, Lobby

CONCURRENT MORNING SESSIONS - 10:30 am - Noon

La Salle Ballroom B (TAM-J) RISK COMMUNICATION

Chair: Kandice L. Salomone, Rutgers University

(TAM-J1) RISK COMMUNICATION AND THE SEVESO DIRECTIVE: THE DUTCH AND  
FRENCH EXPERIENCE

S. L. Santos and S. Edwards; Columbia University and US  
Environmental Protection Agency

(TAM-J2) CANCELLED

(TAM-J3) NEWS CONTENT AND PUBLIC PERCEPTIONS OF ENVIRONMENTAL RISK: DOES  
TECHNICAL RISK INFORMATION MATTER AFTER ALL?

K. L. Salomone, Rutgers University

(TAM-J4) COMPARISON OF EXPERT, REGULATOR, AND LAYPERSON CONCERNS IN  
SEWAGE SLUDGE MANAGEMENT

O. Renn, T. Webler, H. Rakel and D. Levine; Clark University

La Salle Ballroom C (TAM-K) SOCIAL SCIENCE ASPECTS OF HAZARDOUS WASTE

Chair: Frank Noonan, Worcester Polytechnic Institute

(TAM-K1) PERSPECTIVES ON HAZARDOUS WASTE REMEDIATION EFFORTS

M. R. English; University of Tennessee

(TAM-K2) THE PERSISTENCE OF CONSERVATIVE ASSUMPTIONS: LESSONS FROM THE  
DIOXIN WARS

S. L. Brown; ENVIRON Corporation

(TAM-K3) DECISION ANALYSIS FOR CONDUCTING HAZARDOUS WASTE SITE  
ASSESSMENTS IN REAL ESTATE ACQUISITION

F. Noonan; Worcester Polytechnic Institute

(TAM-K4) CANCELLED

CONCURRENT MORNING SESSIONS - 10:30 am - Noon

Pelican Room 1

(TAM-L) APPLIED RISK ASSESSMENTS

Chair: Richard A. Stephans, BDM International

- (TAM-L1) RISK ASSESSMENT OF INDOOR REFUELING OF COMPRESSED NATURAL GAS BUSES

D. M. Friedman, T. A. Williams, D. Farkhondehpay; Science Application International Corporation and Research Institute

- (TAM-L2) ELEVATED CANCER RISK AMONG HOMEMAKERS

T. D. Sterling, D. A. Sterling and J. J. Weinkam; Simon Fraser University, Canada and Old Dominion University

- (TAM-L3) ASSESSMENT OF THE POTENTIAL HUMAN EXPOSURE TO DIOXIN IN MAINE AGRICULTURAL SOILS AMENDED WITH PAPER MILL SLUDGE

J. M. Michaud, E. R. Rand, M. M. Sauer and R. E. Keenan; ChemRisk

- (TAM-L4) RISK ANALYSIS METHODOLOGY FOR THE PEACEKEEPER RAIL GARRISON MISSILE LAUNCH CAR

R. A. Stephans and S. Brown; BDM International and Westinghouse

Pelican Room 2

(TAM-M) RISK ASSESSMENT FOR HALOGENATED-SOLVENTS

Chair: Bruce C. Allen, Clement Associates

- (TAM-M1) RISK ANALYSIS OF CHRONIC EXPOSURE TO TRICHLOROETHYLENE USING A PHYSIOLOGICAL MODEL

J. W. Fisher and B. C. Allen; Wright-Patterson Air Force Base and Clement Associates

- (TAM-M2) CROSS-CHEMICAL EXTRAPOLATIONS OF RISK: UTILIZATION OF INFORMATION REGARDING COMMON METABOLITES

B. C. Allen, A. M. Shipp and J. W. Fisher; Clement Associates and Wright-Patterson Air Force Base

- (TAM-M3) A BIOLOGICALLY-STRUCTURED PHARMACODYNAMIC (PD) MODEL FOR CHLOROFORM ( $\text{CHCl}_3$ ) CYTOLETHALITY

R. B. Conolly and M. L. Gargas; Chemical Industry Institute of Toxicology

- (TAM-M4) IMPLICATIONS OF NEW PHARMACOKINETIC AND PHARMACODYNAMIC THEORIES FOR RESEARCH AND RISK ASSESSMENT

D. Hattis; Clark University

Poydras Room

(TAM-N) HAZARDOUS FACILITY SITING

Chair: Leslie A. Nieves, Argonne National Laboratory

- (TAM-N1) EQUITY FOR ENVIRONMENTAL RISK SHARING: A LOCATIONAL PROBLEM OF FINAL DISPOSAL SITES

S. Ikeda and Y. Nakamura; University of Tsukuba, Japan

- (TAM-N2) THE DETERMINANTS OF COMPENSATION FOR SITING LOCALLY UNWANTED FACILITIES

J. Himmelberger, S. Ratick and A. White; Clark University

- (TAM-N3) THE SPECIAL SOCIOECONOMIC EFFECTS OF NOXIOUS FACILITIES SITING: AN ECONOMIC EVALUATION

L. A. Nieves and R. C. Hemphill; Argonne National Laboratory

Fulton Room

(TAM-O) MEDICAL TOPICS

Chair: George Cvetkovich, Western Washington University

- (TAM-O1) REVIEW AND EVALUATION OF EXISTING INFORMATION ON GENERATION, MANAGEMENT, AND POTENTIAL HEALTH EFFECTS OF MEDICAL WASTE

T. K. Pierson and D. R. Greenwood; Research Triangle Institute

- (TAM-O2) AN OVERVIEW OF RISKS FROM MEDICAL WASTE INCINERATION

S. Foster, J. Longstreth, D. Pyne and J. Tilly; ICF Incorporated and Clement Associates Incorporated

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CONCURRENT MORNING SESSIONS - 10:30 am - Noon

- (TAM-03) MEDICAL DECISION MAKING: THE EFFECTS OF THIRD PARTY PAYERS ON ANTICANCER DRUG USE  
T. J. Laetz; US General Accounting Office
- (TAM-04) IATROPHOBIC REACTIONS: AN OVERLOOKED CHALLENGE TO HEALTH PROMOTION EFFORTS  
R. A. Kleinknecht and G. Cvetkovich; Western Washington University

CANCELLED

(TAM-P) UNCERTAINTY AND DECISION ANALYSIS FOR ECOLOGICAL RISK

Acadian Room

(TAM-Q) CHAOS IN RISK ASSESSMENT AND RISK MANAGEMENT (PART I)

Chair: Jerry L. R. Chandler, National Institutes of Health

- (TAM-Q1) CHAOS THEORY AND DECISION MAKING  
A. B. Cambel; George Washington University
- (TAM-Q2) CHAOTIC ATTRACTORS AND CATASTROPHES IN RISK ANALYSIS OF MILITARY AND POLITIGAL SYSTEMS  
A. E. R. Woodcock; Synectics Corporation
- (TAM-Q3) CHAOS IN COMPUTER NETWORKS--RISK ANALYSIS AND MANAGEMENT  
H. R. Erwin; TRW Systems Division

La Salle Ballroom A

Noon - 1:30 pm

LUNCHEON

SPEAKER: Milton Russell, University of Tennessee

TOPIC: Megascience for Decisions: Lessons from the National Acid Precipitation Assessment Program (NAPAP)

CONCURRENT AFTERNOON SESSIONS - 1:30 - 3:00 pm

La Salle Ballroom B (TPM-A) RISK COMMUNICATION

Chair: Dennis S. Mileti, Colorado State University

- (TPM-A1) CANCELLED
- (TPM-A2) ORGANIZATIONAL FACTORS IN RISK COMMUNICATION  
G. Chess and M. R. Greenberg; Rutgers University
- (TPM-A3) CANCELLED
- (TPM-A4) PROCESS AND RESPONSE TO PUBLIC RISK COMMUNICATION IN THE PARKFIELD EARTHQUAKE PREDICTION EXPERIMENT  
D. S. Mileti and C. Fitzpatrick; Colorado State University

La Salle Ballroom C (TPM-B) PROTECTING THE PUBLIC

Chair: Marilyn H. Silva, California Department of Food and Agriculture

- ① ✓ (TPM-B1) PROPOSITION 65: THE NAIVETE OF THE DELANEY CLAUSE REVISITED  
P. L. Stenzel; Michigan State University
- ✓ (TPM-B2) CONSUMER EXPOSURE MODELING AND RISK ASSESSMENT OF HOUSEHOLD PRODUCTS TO COMPLY WITH CALIFORNIA PROPOSITION 65  
J. E. Lawson, J. R. Gleason and A. K. Reddy; The Clorox Company
- ✓ (TPM-B3) REGULATION OF SENSITIVE SUBPOPULATIONS  
R. A. Williams, Jr. and R. N. Brown; US Food & Drug Administration
- ✓ (TPM-B4) DATA EVALUATION FOR SB950: CALIFORNIA BIRTH DEFECTS PREVENTION ACT OF 1984  
M. H. Silva and J. Gee; California Department of Food and Agriculture

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